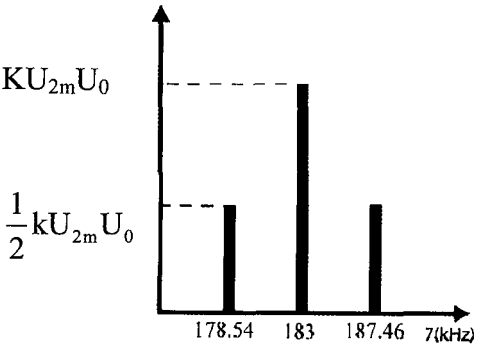


2

1. $\lambda = 1402m$

$$f = \frac{c}{\lambda} = \frac{3.10^8}{1402} = 2,14.10^5 Hz$$

$f \in [150kHz \ ; \ 225kHz]$ donc les ondes émises appartiennent aux grandes ondes.

2. a. D'après la figure $T \simeq 224\mu s$ ce qui donne

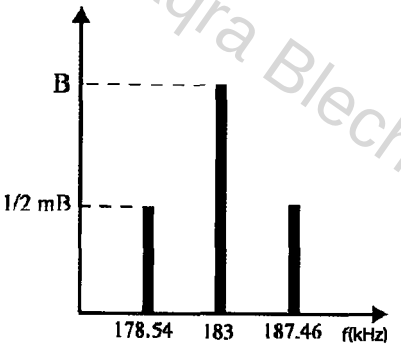
$$f_m = \frac{1}{T_m} = 4,46.10^3 Hz = 4,46 \ kHz$$

b. Dans une période T_m on compte 41 périodes T_p

$$\Rightarrow T_P = \frac{T_m}{41} = 5,46.10^{-6} s$$

$$F_p = \frac{1}{T_p} = \frac{1}{5,46.10^{-6}} = 1,83.10^5 Hz = 183kHz$$

c.1. Les 3pics ont des fréquences $F_p ; F_p - f_m \ et \ F_p + f_m$



Qarray.tn - Aqra Blech- Qarray.tn